

Appendix F – Alternative Cost Information for Theresa Street WWTF

Theresa Street WWTF Improvement Costs

Nitrification capacity expansion		\$22,700,000
Preliminary Treatment		
South raw wastewater pumping station	\$1,000,000	
North raw wastewater pumping station	\$900,000	
Grit handling facilities	\$4,500,000	\$6,400,000
Cogeneration facility improvements		\$300,000
Anaerobic digester complex improvements		
Additional digester	\$3,500,000	
Gas equalization or storage	\$2,000,000	
Replace sludge valves on heating loop	\$500,000	
Replace gas mixers and compressors	\$600,000	\$6,600,000
West Side Process improvements		
Primary sludge pump replacement	\$400,000	
Replace RAS pumps	\$600,000	
New blowers	\$900,000	
Secondary clarifier improvements	\$700,000	\$2,600,000
East Side Process Improvements		
Primary sludge pump replacement	\$600,000	
Aeration system improvements	\$5,000,000	
Secondary clarifier improvements	\$1,000,000	\$6,600,000
DAF Improvements		\$2,500,000
Dewatering system Improvements		\$5,800,000
Maintenance Shop rehabilitation		\$600,000
Electrical improvements		\$500,000
Collection system shop improvements		\$500,000
Administration building improvements		\$600,000
Liquid waste handling facility improvements		\$1,300,000
General system improvements		
Wet weather flow equalization facilities	\$9,800,000	
Equalization of side stream flows	\$1,200,000	
Hydraulic Capacity Improvements	\$3,700,000	
General System Upgrades	\$15,800,000	\$30,500,000
General site improvements		
Replace potable water distribution system	\$400,000	
On-line process control facilities	\$400,000	
Flood protection	\$1,200,000	
Outdoor lighting	\$200,000	
Pavement rehabilitation	\$200,000	
Gas line service replacement	\$100,000	\$2,500,000
TOTAL:		\$90,000,000